



# Data Visualization With Power BI

Vishal Padghan (Great Learning)

# Offerings Of This Course

01

BI and Data Visualization

05

Power BI Installation

02

What is Power BI?

06

Power BI DAX

03

Power BI Components

07

Visual Analytics

04

Building Blocks Of Power BI

08

Power BI Visuals/Charts

# What Is Business Intelligence?

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# What Is Business Intelligence?



# Business Intelligence Features

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Better Business  
Understanding

Quick navigation

Instant Answers

Decision Making

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# Phases Of Business Intelligence

# Phases Of Business Intelligence

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IT Dependent

Analyst

End User

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# What Is Data Visualization?

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# What Is Data Visualization?

Design

Information Science

Data  
Visualization

Communication

William Playfair  
(Geometric Charts 1781)

Explored exports from seventeen  
countries to Scotland

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# Data Visualization Tools

# Data Visualization Tools

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tableau®

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Power BI

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# What Is PowerBI?

# What Is PowerBI?

From connection to collaboration, PowerBI is the most powerful, secure and flexible end-to-end analytics platform for your data.

Apt Visualizations

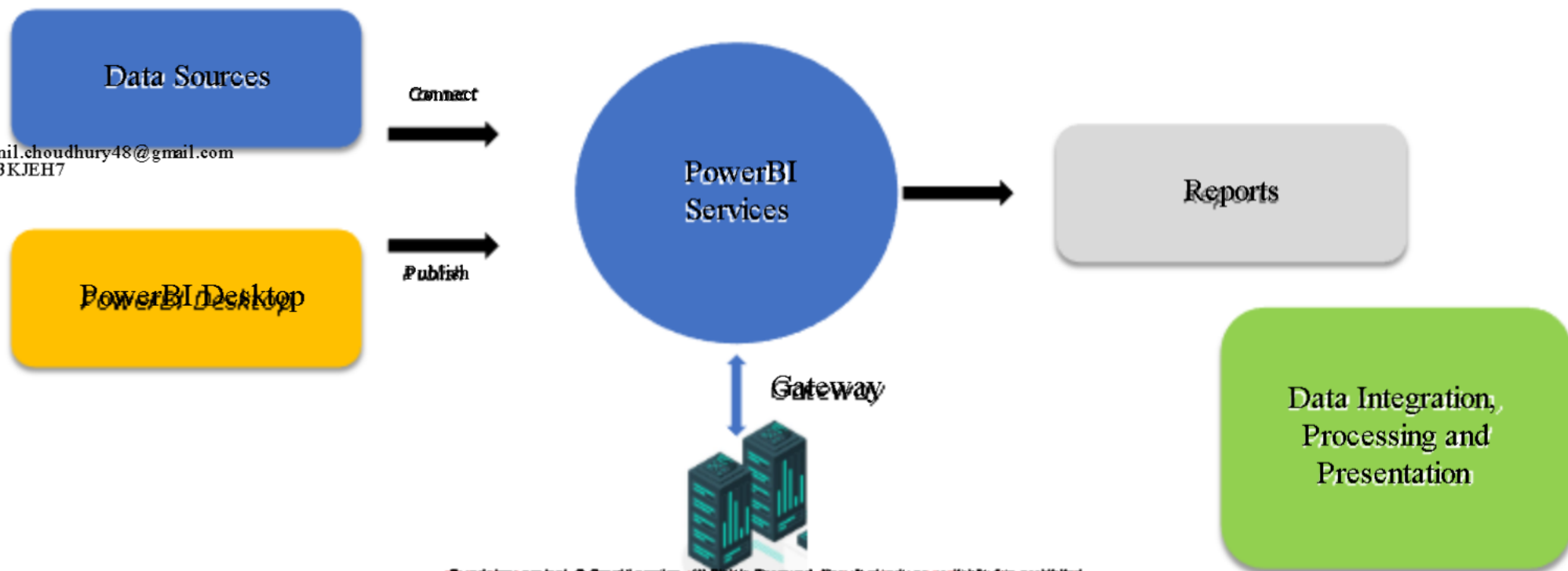
Depth

Automatic Function

Connection To Data



# PowerBI Architecture



# Components Of PowerBI

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# Components Of PowerBI

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Power Query

Power View

PowerBI QNA

Power Pivot

Power Map

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# Building Blocks Of Power BI

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# Building Blocks Of Power BI

Visualizations

Dashboards

Datasets

Files

Reports



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# PowerBI Reports

# PowerBI Reports

It is a multi-perspective view into a particular data set with visualizations that represent different findings and insights from that a set. A report may be a single visualization or pages full of visualizations.

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# PowerBI Dashboards

# PowerBI Dashboards

It is a single page, also known as a canvas, that uses visualizations to tell a particular story. It is limited to one page, and a point to note is that a good dashboard contains only the important elements of that story.



# Demo: PowerBI Installation and Interface

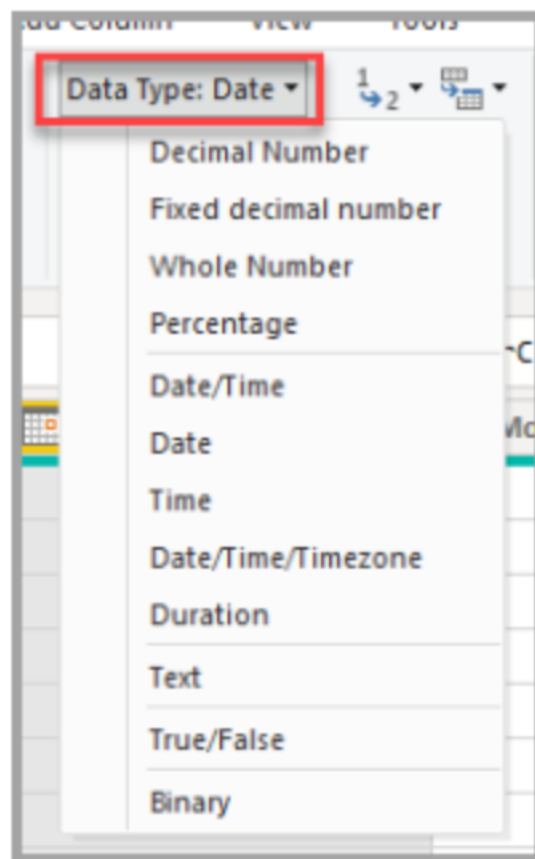
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# Power BI Data Types



# PowerBI Data Types



# PowerBI DAXX

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# PowerBI DAX

DAX is a collection of functions, operators and constant used in formulas, to return one or more values. It is a native formula and Query language by Microsoft

Functional Query  
Language

Deals with  
relational data

Performs  
Aggregations



# PowerBI DAX

Syntax

Context

Function

Measure  $\equiv$  Function(Table Name (Column Name))



# Visual Analytics

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# Popular Cloud Service Providers



Question and Answer Time

# Summary

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Power BI Visuals Charts

# Thank You

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